

Title (en)

METHODS FOR SECURE AND BANDWIDTH EFFICIENT CRYPTOGRAPHIC SYNCHRONIZATION

Title (de)

VERFAHREN ZUR SICHEREN UND BANDBREITENEFFIZIENTEN KRYPTOGRAPHISCHEN SYNCHRONISATION

Title (fr)

PROCEDES DE SYNCHRONISATION CRYPTOGRAPHIQUE FIABLES ET EFFICACES EN LARGEUR DE BANDE

Publication

**EP 1922836 A1 20080521 (EN)**

Application

**EP 06784170 A 20060908**

Priority

- SE 2006001040 W 20060908
- US 71587305 P 20050909
- US 47055406 A 20060906

Abstract (en)

[origin: WO2007030074A1] Methods for cryptographic synchronization of data packets. A roll-over counter (ROC) value is periodically appended to and transmitted with a data packet when a function of the packet sequence number equals a predetermined value. The ROC effectively synchronizes the cryptographic transformation of the data packets. Although the disclosed methods are generally applicable to many transmission protocols, they are particularly adaptable for use in systems wherein the data packets are transmitted to a receiver using the Secure Real-Time Transport Protocol (SRTP) as defined in Internet Engineering Task Force (IETF) Request for Comments (RFC) 3711.

IPC 8 full level

**H04L 9/12** (2006.01)

CPC (source: BR EP US)

**H04L 9/0861** (2013.01 - EP US); **H04L 9/12** (2013.01 - BR EP US); **H04L 9/16** (2013.01 - EP US); **H04L 9/16** (2013.01 - BR)

Citation (search report)

See references of WO 2007030074A1

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

**WO 2007030074 A1 20070315**; AT E439711 T1 20090815; BR PI0615628 A2 20121218; BR PI0615628 B1 20200211; CA 2616153 A1 20070315; CA 2616153 C 20150519; CN 101258706 A 20080903; CN 101258706 B 20110810; DE 602006008487 D1 20090924; EP 1922836 A1 20080521; EP 1922836 B1 20090812; JP 2009508390 A 20090226; JP 4608000 B2 20110105; US 2007113085 A1 20070517; US 7725709 B2 20100525

DOCDB simple family (application)

**SE 2006001040 W 20060908**; AT 06784170 T 20060908; BR PI0615628 A 20060908; CA 2616153 A 20060908; CN 200680032814 A 20060908; DE 602006008487 T 20060908; EP 06784170 A 20060908; JP 2008529960 A 20060908; US 47055406 A 20060906